

## BIBLIOGRAPHY

C. FITZHUGH TALMAN, Meteorologist in Charge of Library

## RECENT ADDITIONS

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

**Abbot, Charles G.**

Earth and the stars. New York. 1925. xi, 264 p. front. illus. plates. ports. maps. diagrs. 22 cm.

**Ahlmann, H. W:son.**

Karta över den årliga nederbördens fördelning på Skandinaviska halvön. Stockholm. 1925. 8 p. figs. plate. 31½ cm. (Med. Statens met.-hydrog. anstalt. Bd. 3, n:o 4.)

**Baruch, Abraham.**

... Meteorological observations at Tel-Aviv in the years 1923 and 1924. Tel-Aviv. 1925. 22 p. 24 cm.

**Baur, Franz.**

Medizinische Klimatologie. Eigenschaften und Wirkungen der Heilklimate. p. 389-410. figs. 24½ cm. (Strahlentherapie. Bd. 20, 1925.)

**Bergsten, Folke.**

Vattenstånden vid rikets kuster åren 1887-1921. Stockholm. 1925. 85 p. 31½ cm. (Med. Statens met.-hydrog. anstalt. Bd. 2, N:o 4.)

**Besson, Louis.**

Le climat de la côte de Provence. Paris. n. d. 23 p. figs. 23½ cm. (Annales d'hygiène publique, industrielle et sociale. 3e année. no. 10, oct., 1925.)

**Boerema, J.**

Regenval in Nederlandsch-Indië (Rainfall in the Netherlands Indies.) Deel 1. Gemiddelen van den regenval voor 2715 waarnemingsplaatsen in Nederlandsch-Indië, berekend uit waarnemingen verricht in het tijdvak 1879-1922. (Mean rainfall figures for 2715 rainfall stations in the Netherlands Indies, calculated from observations made during the period 1879-1922.) Weltevreden. 1925. viii, 192 p. 27 cm. (K. Mag. en met. observ. Batavia. Verhand. no. 14.)

**Brombacher, W. G.**

Altitude-pressure tables based on the United States standard atmosphere. 7 p. tables. 27 cm. (Bur. of standards, Letter circ. 187. Dec. 12, 1925.)

**Clayden, Arthur W.**

Cloud studies. Ed. 2. London. [1925.] xv, 200 p. plates. 20½ cm.

**Cohen, Julius B., & Ruston, Arthur G.**

Smoke, a study of town air. New enl. ed. London. 1925. xi, 108 p. illus. plates. front. 22 cm.

**Fischer, Karl.**

Niederschlag, Abfluss und Verdunstung des Weserquellgebiets. Berlin. 1925. iv, 68 p. figs. plates. 34½ cm. (Jahrb. Gewässerkunde Norddeutschlands. Besondere Mitteilungen. Bd. 4, Nr. 3.)

**Gibbs, William E.**

Dust hazard in industry. London. 1925. xii, 13-168 p. incl. front. illus. diagrs. 19 cm.

**Gockel, Albert.**

Das Gewitter. 3e Aufl. Berlin. 1925. viii, 316 p. illus. plates. 21 cm.

**Huber, A.**

Einführung in das Verständnis der Wetterkarte. München. 1925. 31 p. illus. plate. 17 cm. (Bergwacht-Bücherei. Heft 3.)

**International union of geodesy and geophysics.**

Deuxième assemblée générale réunie à Madrid du 1er au 8 octobre 1924. Toulouse. 1925. 148 p. 25½ cm. (Conseil internat. de recherches.)

**International union of geodesy and geophysics. Section of meteorology.**

Deuxième assemblée générale. Madrid. Octobre 1924. Procès-verbaux des séances. Rome. 1925. 184 p. plate. 24½ cm.

**Köhler, Hilding.**

Untersuchungen über die Elemente des Nebels und der Wolken. Stockholm. 1925. 73 p. figs. plates. 32½ cm. (Med. Statens met.-hydrog. anstalt. Bd. 2, N:o 5.)

**Lindholm, F.**

Synoptiska väderlekskartor i navigationens tjänst. Stockholm. 1925. 16 p. figs. 32½ cm. (Med. Statens met.-hydrog. anstalt. Bd. 3, N:o 3.)

**Lyon, E. P.**

How to put humidity in your house. p. 11-15. illus. 29 cm. (Hygeia, Chic. v. 4, no. 1, Jan., 1926.)

**Maitland, Edward M.**

Log of H. M. A. R 34 journey to America and back . . . with a letter from Rudyard Kipling . . . Ed. 2. London. n. d. xii, 168 p. front. plates. ports. fold. map. 22½ cm.

**Moreux, Th.**

Comment prévoir le temps. Ed. 2. Paris. 1925. 266 p. illus. plates. 20½ cm.

**Nebolsin, S.**

Atlas de cartes de la distribution moyenne des précipitations atmosphériques en Russie d'Europe par mois et par années d'après les observations de 1888-1912. Petrograd. 1916. 17 plates. 45 cm. (Appen. vol. 3 du Recueil de geophys.)

Quantités moyennes de précipitations atmosphériques en Russie d'Europe d'après les observations de 1888-1912. Petrograd. 1916. 51 p. 32½ cm. (Travaux sur la climatologie de la Russie. Fasc. 1.)

**Novák, Václav.**

Zpráva o činnosti sekce pro zemědělskou meteorologii a půdoznalství v roce 1924. Brno. 1925. 15 p. 23½ cm. (Mor. zem. výzkumný ústav zemědělský v Brně.)

**Rittikh, P. A.**

Srabnitelnoe raspredelenie vetra v nizhnikh slozhakh atmosfery do 1000 metr nad vypukloj Ontolovo i vognutoi Slutsk poverkhnostju. [Comparative distribution of wind in the lower stratum of the atmosphere up to 1,000 meters above convex and concave surfaces.] Slutsk. 1924. xx p. 37 em. (Publication: Aerological observatory.)

**Robertson, C. L.**

Climatic conditions and cotton growing in Southern Rhodesia. 4 p. map. 25 cm. (Repr.: Rhodesia agric. journ.) (Bull. no. 560. Oct., 1925.)

**Show, S. B., & Kotok, E. I.**

Weather conditions and forest fires in California. 24 p. figs. 23 cm. (U. S. Dept. agric. Dept. circ. 354. Wash., July, 1925.)

**Union géodésique et géophysique internationale. Section de séismologie.**

Série A. Travaux scientifiques. fasc. 2-3. Paris. 1925. figs. plate. 25½ cm.

**United States. Adjutant-general's office.**

United States army training manual no. 31. Meteorological observer. Instructors' guide for all arms. Prepared under the direction of the chief signal officer. 1925. Washington. 1925. ix, 374 p. figs. plates. 23 cm.

**Ward, Robert De C.**

Climates of the United States. Boston. [c1925.] xvi, 518 p. illus. (maps.) diagrs. 21½ cm.

**Wersén, Gustaf.**

De Svenska vattendragens arealforhållanden 3. Luleälvs M. FL. Stockholm. 1925. 14 p. plate. 32 cm. (Medd. Statens met.-hydrog. anstalt. Bd. 3, N:o 2.)

## RECENT PAPERS BEARING ON METEOROLOGY

The following titles have been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

*Annalen der Hydrographie und maritimen Meteorologie. Berlin. 53. Jahrgang. September, 1925.*

Meissner, Otto. Die säkulare Schwankung des Wasserstandes der deutschen Nord- und Ostsee. p. 291-298.

Perlewitz, Paul. Einfluss hoher Inseln auf Wind und Wetter in der Umgebung. p. 285-288.

Raethjen, P. Zur Mechanik der Pilotballone. p. 273-284.

- Association française pour l'avancement des sciences. Conférences. 47. session. Bordeaux. 1925.*
- Comissopoulos, N. A. Courants d'air chauds et froids. p. 394-400.
- Dort, J. La nébulosité, la température, l'humidité et les pluies suivant la direction, la force du vent et les variations barométriques sur le versant nord des Pyrénées. p. 358-360.
- Guilbert, Gabriel. Sur l'utilité d'un concours international de prévision du temps. p. 383-384.
- Henry, A. Sur la mesure pratique du rayonnement solaire. p. 361-368.
- Mémery, Henri. Sur l'insuffisance des méthodes habituellement employées en météorologie dans la recherche de l'influence des phénomènes solaires. p. 368-370.
- Picart, Luc. Observations des orages dans le Département de la Gironde de 1912 à 1921; contrôle des Niagaras électriques. p. 371-372.
- Rouch, J. Le vent en altitude à Rochefort-sur-Mer. p. 373-375.
- Wehrle, Ph. L'organisation de la prévision du temps. p. 375-382.
- Association of American geographers. Annals. Albany, N. Y. v. 15. September, 1925.*
- McAdie, Alexander. Special maps for charting storm movements. p. 101-105.
- Astronomie. Paris. 39. année. Octobre 1925.*
- Belot, Émile. L'atmosphère supérieure. p. 476-479.
- Besson, Louis. La capacité pluviale du courant équatorial, facteur périodique du climat. p. 471-473. [Repr. Comptes rendus.]
- Cabannes, Jean. Le bleu du ciel et la transparence de l'atmosphère. p. 457-471.
- California citograph. Los Angeles. v. 11. January, 1926.*
- Orchard heating practices before Lemon Men's Club. p. 84; 86.
- Conquest. London. v. 7. January, 1926.*
- Carus-Wilson, C. Rain and its work. p. 25-27; 33.
- Forbes. New York. v. 17. December 1, 1925.*
- Bruce, Norman. Profits from prophets. p. 17-18; 40; 42.
- France. Académie des sciences. Comptes rendus. Paris. t. 181. 21 décembre 1925.*
- Lecarme, Jean. Les radiations ultraviolettes du soleil aux grandes altitudes. p. 1079-1080.
- Geofysiske kommission. Geofysiske publikationer. Oslo. r. 3. 1925.*
- Fjeldstad, Jonas Ekman. Einige thermische Eigenschaften von Eis und Wasserdampf. (no. 2.)
- Solberg, K., & Størmer, Carl. Méthode pour la mesure photogrammétrique des nuages pendant la nuit, quand ces nuages sont éclairés par la lune ou par la lumière crépusculaire. (no. 12.)
- Fjeldstad, Jonas Ekman. Graphische Methoden zur Ermittlung adiabatischer Zustandsänderungen feuchter Luft. (no. 13.)
- Geographische Zeitschrift. Leipzig. 31. Jahrgang. 6. Heft. 1925.*
- Köppen, W. Die säkularen Schwankungen der Sonnenstrahlung. p. 359-360.
- Great Britain. Meteorological office. British rainfall, 1924. London.*
- Glasspoole, J. General monthly rainfall over the British Isles, 1881 to 1924. p. 256-266.
- Glasspoole, J. The unprecedented rainfall at Cannington, August 18th, 1924. p. 246-255.
- Hydrographic review. Monaco. v. 1. May, 1924.*
- [Parry, Sir John F.] A brief memoir of a great American scientific student of the world's seas: Matthew Fontaine Maury. p. 155-158.
- Imperial marine observatory. Kobe. v. 2. March, 1925.*
- Horiguti, Yosiki. Life-history of the typhoon on the end of March, 1923. p. 9-25.
- Sekiguti, Rikit, Taguti, Katutosi, & Taguti, Tatuo. On the characterization of winter. p. 1-7.
- Institut hydrologique de Russie. Bulletin. Leningrad. no. 13. 1925.*
- Wiese, W. Die Schwankungen hydrologischer Elemente, insbesondere die Schwankungen des Wasserstandes des Sees Victoria, im Zusammenhang mit der allgemeinen Zirkulation der Atmosphäre und der Sonnentätigkeit. p. 15-16. [Abstract.]
- Marine observer. London. v. 2. December, 1925.*
- Keeton, H. Notes on frequency of gales: all oceans. p. 193-194.
- Smith, L. A. Brooke. Developments in wireless and weather an aid to navigation. p. 188-189.
- Meteorological magazine. London. v. 60. 1925.*
- Applegate, T. H. Rain from a blue sky. p. 193-194. (Sept.)
- Boys, H. A. Red lightning. p. 191-192. (Sept.)
- Keen, B. A. The border-line between meteorology and soil physics. p. 181-187. (Sept.)
- A new form of nephoscope. p. 195. (Sept.)
- Lempert, R. G. K. Mr. F. J. Brodie. p. 245-246. (Nov.) [Obituary.]
- Smith, Edward H. The International ice patrol. p. 229-236. (Nov.)
- Weather forecasting with the help of the sun. p. 237-239. (Nov.) [Reviews recent Smithsonian publications.]
- Atmospheric electricity; The meteorological significance of atmospherics over the sea. p. 266-267. (Dec.)
- Brunt, D. An outstanding problem of meteorology. p. 253-256. (Dec.)
- Drought, its prevention and cure. p. 262-265. (Dec.)
- National academy of sciences. Proceedings. Washington, D. C. v. 11. September, 1925.*
- Benedict, Francis G. Skin temperature and heat loss. p. 549-552.
- Paine, George Porter. Energy transformations in an unobstructed air current, in an air current containing a dry obstacle, and in an air current containing an evaporating surface; with applications to an aerodynamic psychrometer and to the measurement of atmospheric humidity. p. 555-562.
- National geographic magazine. Washington, D. C. v. 49. January, 1926.*
- Abbot, C.G. Measuring the sun's heat and forecasting the weather. p. 111-126.
- Nature. London. v. 116. December 5, 1925.*
- Millikan, R. A. High frequency rays of cosmic origin. p. 823-825.
- Nature magazine. Washington, D. C. v. 6. 1925.*
- Talman, Charles Fitzhugh. Who's who among the storms. p. 269-273. (Nov.)
- Humphreys, W. J. Cunila, Jack Frost's favorite. p. 343-344. (Dec.)
- Macnamara, Charles. Insects of the snow. p. 349-350. (Dec.)
- Naturwissenschaften. Berlin. 13. Jahrgang. 6. November, 1925.*
- Troll, Karl. Methoden, Ergebnisse und Ausblicke der geochronologischen Eiszeitforschung. p. 909-919.
- Petermanns Mitteilungen. Gotha. 71. Jahrgang. 9/10. Heft. 1925.*
- Schwalbe, Gustav. Die wahre Temperaturverteilung im Winter innerhalb Deutschlands. p. 197.
- Physical society of London. Proceedings. London. v. 38. December 15, 1925.*
- Dobson, G. M. B., & Harrison, D. N. Measurement of the amount of ozone in the earth's atmosphere. p. 74-76.
- Physikalische Zeitschrift. Leipzig. 26. Jahrgang. 1925.*
- Kolhörster, Werner. Ein neues Fadenelektrometer. p. 654-657. (no. 18.)
- Hoffmann, G. Registrerbeobachtungen der durchdringenden Höhenstrahlung im Meeresspiegel. p. 669-672. (no. 19.)
- Popular astronomy. Northfield, Minn. v. 33. November, 1925.*
- Wylie, Charles Clayton. On the direction of the shadow bands. p. 599-600.
- Popular weather quarterly. Tunbridge Wells. v. 3. 1925.*
- Earley, Alfred H. Is our climate changing? p. 35-37. (July.) p. 53-56. (Oct.)
- Clements, Hugh. Natural phenomena prediction. p. 57-58. (Oct.)
- Reale accademia dei Lincei. Atti. Roma. Rendiconti. v. (6)2, fasc. 10. 1925.*
- Armellini, G. Sopra la teoria delle ombre volanti nelle eclissi solari. p. 371-373.
- Revue générale des sciences. Paris. 36. année. 30 octobre 1925.*
- Wehrle, Ph. Hildebrand Hildebrandsson. p. 561-562. [Obituary.]
- Royal astronomical society of Canada. Journal. Toronto. v. 19. 1925.*
- Pearce, J. A. A co-operative scheme for observing the luminosity of the night sky. p. 204-206. [Observations of the "non-polar" aurora.] (Oct.)
- Hunter, A. F. The new (bombardment) theory of the aurora. p. 242-246. (Nov.)
- Royal meteorological society. Quarterly journal. London. v. 51. October, 1925.*
- Baxendell, Joseph. Meteorological periodicities of the order of a few years, and their requisite local investigation; with especial reference to the term of 5.1 years, in parts of Britain. p. 371-395. [With bibliography of papers relating to few-year periodicities.]

- Royal meteorological society*—Continued.
- Captain Alfred Carpenter, D. S. O., R. N. p. 428. [Obituary.]  
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 Goldie, A. H. R. Gustiness of wind in particular cases. p. 357–362.  
 Harrison, D. N., & Dobson, G. M. B. Measurements of the amount of ozone in the upper atmosphere. p. 363–369.  
 Haughton, W. R. Thunderstorms in Eastern Bengal. p. 406–408.  
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 L[empfert], R. G. K. The meeting of the International union of geodesy and geophysics held at Madrid in 1924. p. 421–424.  
 Pick, William H. Night frosts at Cranwell, Lincolnshire, during the late autumn, winter, and early spring. p. 369–370.  
 Read, R. S. Cold front; September 1, 1925. p. 416–421.  
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 Rev. Father A. L. Cortie, S. J., D. Sc. p. 428. [Obituary.]  
 Russell, Spencer. Well-water temperatures. p. 400–403.  
 Shaw, Napier. Hugo Hildebrand Hildebrandsson. p. 425–428. [Obituary.]  
 Useful solar and meteorological data, 1923. p. 406–408.  
 Veryard, R. G. On the calibration of pressure tube anemometers. p. 413–416.  
 Walker, Gilbert T. On periodicity. p. 337–346.
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- Bryant, L. W., & Williams, D. H. An investigation of the flow of air around an aerofoil of infinite span. [With an appendix: Note on the connection between the lift of an aerofoil in a wind and the circulation round it, by G. I. Taylor.]
- Royal society of London. Proceedings. London. ser. A. v. 109. December, 1925.*
- Appleton, E. V., & Barnett, M. A. F. On some direct evidence for downward atmospheric reflection of electric rays. p. 621–641.
- Royal statistical society. Journal. London. New ser. v. 88. July, 1925.*
- Shaw, Sir Napier. The week or month as an intermediate time-unit for statistical purposes. p. 489–512. [Includes discussion of meteorological aspects.]
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- McAdie, Alexander. Smithsonian weather forecasts. p. 418–419. (Nov. 6.)  
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- Davis, Watson. "Millikan" rays. p. 661–662.  
 Mauchly, S. J. The electricity of the air. p. 641–645.  
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- Ramsay, Wilhelm. The probable solution of the climate problem in geology. p. 237–248.
- Sociedad científica "Antonio Alzate." Memorias y revista. México. Tomo 43. Núms. 1 & 2. 1924.*
- Oropesa, Gabriel M. Las lluvias en Necaxa no han disminuido. p. 65–70; 79–89.  
 Quevedo, Miguel A. de. La influencia de los bosques en la precipitación pluvial. Su aplicación al territorio mexicano. p. 47–63.  
 Quevedo, Miguel A. de. Nota sobre la precipitación pluvial en la región de Necaxa. p. 71–77; 91–93.
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- Carlo Marangoni. p. 68–69. [Obituary.]  
 Eredia, Filippo. Ciro Ferrari. p. 67–68. [Obituary.]  
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- Ramain, Paul. Le climat de Montpellier et ses conséquences médicales. p. 93–100.